

Actionpac EMB – Bespoke

Control and Monitoring System

EMB – Bespoke Control and monitoring system

Actionpac Electro Mechanical Smoke and fire damper control system.

Automatic damper operation utilising relay logic and LED indication of damper status.

Features

Customised central Control Panel.

Individual, or collectively controlled and continually monitored.

Wall mounted enclosure to IP55.

Finished in RAL 7035.

Custom Engraved Traffolyte fascia.

LED indication of damper status.

Zonal inputs.

Door interlocking isolator.

Miniature circuit breaker protection.

Specialist Panels available

Fan Control Panel.

Fireman's control panel.

Mimic (Repeater) Panel.

Fire damper monitor (Indication) panel.

Panels Designed and Built in Britain.



actionair

Dampers Controls Fancoils

Ruskin Air Management Limited
www.ruskinuk.co.uk

Actionair Actionpac EMB – Bespoke Electro-Mechanical Control and Monitoring System

Introduction

The Actionpac EMB Control System, consists of a number of smoke/fire dampers hard wired individually or in groups to a central control panel. The dampers may be individually or collectively controlled and continuously monitored.

Dampers and control modes may have differing control and monitoring requirements and therefore will be connected to the site wiring, which when installed by the contractor, shall provide the relevant specified functions.

Specification

The Actionair Actionpac EMB Control Panel typically consists of the appropriate number of switches to provide individual or group control, LED indication for status monitoring and all necessary relays and timers to comply with the customers needs for fully or semi- automatic damper operation.

Interface with the Fire Alarm panel is via volt-free contacts which are normally closed and open upon alarm, the Actionair Actionpac EMB damper control panel will then activate relevant dampers to their alarm status.

Actionair Damper Control Panels are purposely manufactured for any particular project to suit specific customer requirements.

Actionpac EMB, as supplied by Actionair

Features

EMB – Bespoke Damper control panels are purposely manufactured for any particular project to suit specific customer requirements.

Dampers can be individually or collectively controlled and continually monitored.

Wall mounted enclosures to IP55.

Finished in RAL 7035

Custom engraved traffolyte fascia.

LED indication of damper status.

Zonal inputs.

Door interlocking isolator.

Miniature circuit breaker protection.

Options

Lockable glazed door.

Special paint finish to BS standard colour reference numbers.

Flush mounting flanges.

Latching push buttons.

Fireman's override key switches.

Test switch.

Lamp test.

Audible alarm with mute facility.

B.M.S common fault relay interface.

B.M.S output.

Delay timers.

Battery backup.

Specialist panels available

- Fan Control Panel
- Fireman's Control Panel
- Mimic (Repeater) Panel
- Fire damper monitor (indication) panel

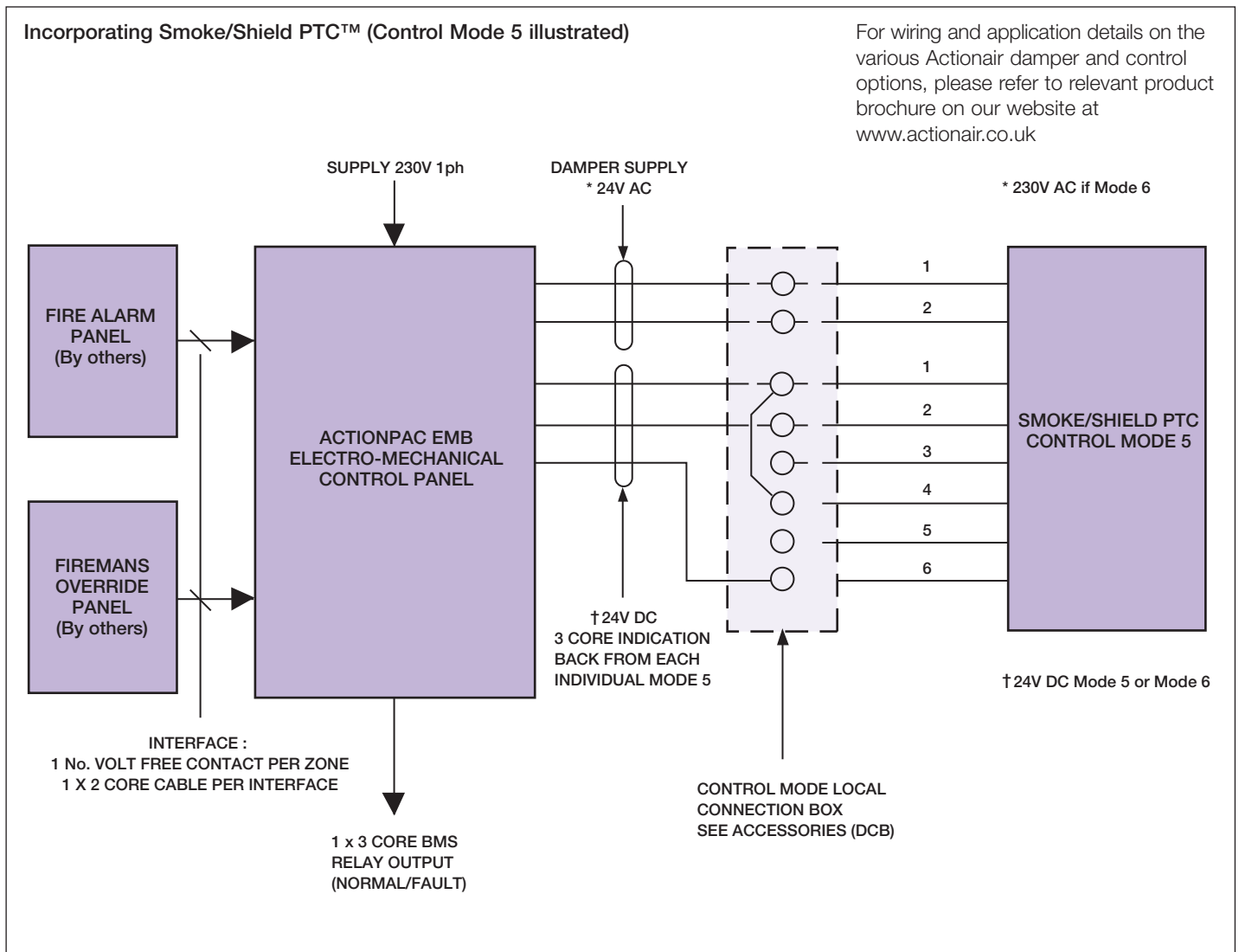
Panel Enclosure sizes

No. of Dampers	Estimated enclosure size (mm)		
	W	H	D
1 - 4	400	400	210
5 - 8	400	400	210
9 - 12	500	500	210
13 - 16	500	500	210
17 - 20	600	600	210
21 - 30	600	600	210
31 - 40	600	800	210
41 - 50	800	800	210



Example Actionpac EMB Panel shown

Typical Actionpac EMB Electro-Mechanical System Schematic



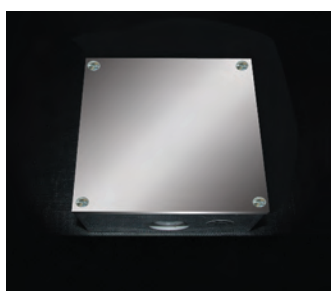
Commissioning

Actionair offers a comprehensive after sales service to include for pre-commissioning checks, complete commissioning service of all our

products in line with and to encompass CIBSE guidelines and planned preventive maintenance visits.

For damper quantities in excess of 50, please refer to Actionair Actionpac LNS 60/120, or Actionair Actionpac LNS3 brochures on our website, or contact our Technical Sales Office.

Accessories

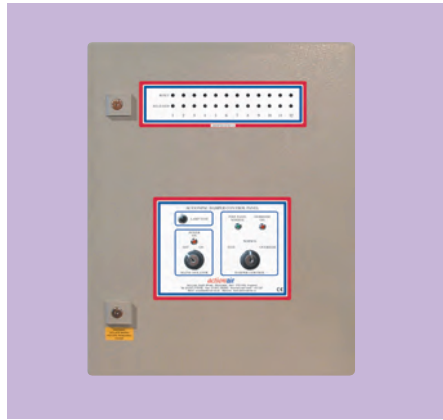


DCB Connection Box For Control Modes. (Can be factory prewired to Control Mode, all voltages.)
Size: 100 x 100 x 50mm.

Description	Voltage	Part Number information
DCB	24V – 230V AC/DC	XNNN00312

Other Actionpac Damper Control Systems

Electro Mechanical Systems



EMS – Standard

Control and monitoring system.

Actionpac Electro Mechanical smoke and fire damper control system.

Automatic damper operation utilising relay logic and LED indication of damper status.

Standard Modular Construction.

LED indication of damper status.

Mains isolator.

Test/Normal/Override Keyswitch.

Lamp test facility.

2 Versions (Mode 5 and Mode 6), available in 3 sizes, from Stock.

Note:
Actionpac EMS (Standard) or Actionpac EMB (Bespoke) Systems are recommended for areas where there are less than 50 dampers.

Addressable Systems



Actionpac 60/120

The Actionair Actionpac 60/120 (LNS Standard) System consists of a Panel PC, UPS and pre-loaded software. The system communicates with damper interfaces to provide intelligent control and monitoring of motorised dampers and monitoring of manual fire dampers. The data network cabling enables substantial reduction in costs when compared with conventional systems. The digital inputs and output device (DI804) is accommodated within the panel enclosure.

The Panel PC is supplied with Actionair Actionpac 60/120 (LNS Standard) software and operates on an embedded platform, which is extremely user friendly. The server architecture delivers new benefits such as reduced commissioning time, ease of configuration, simplified operation, full diagnostics for system and device integration along with optional automatic scheduled damper testing.

Note: Actionpac 60/120 is recommend when there are more than 50 smoke/fire dampers to be controlled and monitored. Refer to Actionpac 60/120 (LNS Standard) brochure for full details.



Actionpac LNS3

The Actionpac LNS3 System consists of a Panel PC, UPS and pre-loaded software. The system communicates with damper interfaces to provide intelligent control and monitoring of motorised dampers and monitoring of manual fire dampers. The data network cabling enables substantial reduction in costs when compared with conventional systems. Digital inputs and outputs (DI804) can be accommodated on the network cable or located within the panel enclosure.

The Panel PC is supplied with Actionpac LNS3 software and operates on an embedded platform, which is extremely user friendly. The server architecture delivers new benefits such as reduced commissioning time, ease of configuration, simplified operation, future system growth, full diagnostics for system and device integration along with optional automatic scheduled damper testing.

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Ruskin Air Management Limited
is a ISO 9001 and 14001
registered company